

Date: October 16, 2009

Electronic Submission PDF Formatted File
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PG&E Letter DCL-2009-538

California Regional Water Quality Control Board  
Central Coast Region  
Attn: Monitoring and Reporting Review Section  
895 Aerovista, Suite #101  
San Luis Obispo, CA 93401-7906

Dear Mr. Briggs:

In accordance with Order 90-09, NPDES No. CA0003751, enclosed is the Third Quarter 2009 Report on Discharge Monitoring at Diablo Canyon Power Plant (Enclosure 1).

**Facility Name:** Pacific Gas & Electric Company  
Diablo Canyon Power Plant

**Address:** P.O. Box 56  
Avila Beach, CA 93424

**Contact Person:** Bryan Cunningham  
**Job Title:** Supervisor, Environmental Operations  
**Phone Number:** 545-4439

**WDR/NPDES Order Number:** Order No. 90-09, NPDES No. CA0003751

**Type of Report:** (check one)

	<b>QUARTERLY</b>	<b>ANNUAL</b>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Quarter:** (check one):

<b>1<sup>st</sup></b>	<b>2<sup>nd</sup></b>	<b>3<sup>rd</sup></b>	<b>4<sup>th</sup></b>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Year:** 2009 (Annual Reports for DCPD are Jan-Dec)

**Violation(s)** (Place an X by the appropriate choice):  **No** (there are no violations to report)  **Yes**

IE25  
NRR

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Mr. Briggs, CRWQCB  
October 16, 2009  
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*If Yes is marked (complete a-g):*

**a) Parameter(s) in Violation:**

**b) Section(s) of WDR/NPDES  
Violated:**

**c) Reported Value(s)**

**d) WDR/NPDES  
Limit/Condition:**

**e) Dates of Violation(s)**  
(reference page of report/data sheet):

**f) Explanation of Cause(s):**  
(attach additional information as needed)

(If "YES", see overview section of attached report)

**g) Corrective Action(s):**  
(attach additional information as needed)

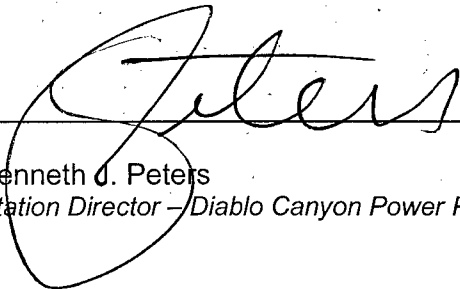
(If "YES", see overview section of attached report)

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Mr. Briggs, CRWQCB  
October 16, 2009  
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The results of the influent and effluent monitoring presented are the observed results of the measurements and analyses required by the monitoring program, and is neither an assertion of the adequacy of any instrument reading or analytical result, nor an endorsement of the appropriateness of any analytical or measurement procedure. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or concerns regarding the report provided, or require additional information, please contact Bryan Cunningham at (805) 545-4439.

Sincerely,

A handwritten signature in black ink, appearing to read "K. Peters", is written over a horizontal line. The signature is fluid and cursive.

Name: Kenneth J. Peters  
Title: Station Director - Diablo Canyon Power Plant

2009538/jlk/bkc

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Mr. Briggs, CRWQCB  
October 16, 2009  
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cc: w/enclosure

PDF Formatted Electronic File Copy:

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
612 E. Lamar Blvd., Suite 400  
Arlington, TX 76011-4125

California Department of Fish and Game  
20 Lower Ragsdale, Suite 100  
Monterey, CA 93490

Hardcopy Format:

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Michael S. Peck  
Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
Diablo Canyon Power Plant 104/5

ENCLOSURE 1

**THIRD QUARTER 2009**

**REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT**

**PACIFIC GAS AND ELECTRIC COMPANY**

**NUCLEAR POWER GENERATION**

**Third Quarter 2009**

**REPORT ON  
DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT**

**(NPDES No. CA0003751)**

PACIFIC GAS AND ELECTRIC COMPANY

Third Quarter 2009

REPORT ON DISCHARGE MONITORING AT  
DIABLO CANYON POWER PLANT

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## OVERVIEW

1. During the third quarter of 2009, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001J, 001L, 001N, 001P, 002 through 005 and 013. No discharges occurred from Discharge Paths 001I, 001K, 001M, 006 through 012 and 014 through 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
2. The substances listed in Table B of the 1990 California Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon submitted in 1994. There have been no changes in the activities conducted at the plant that would have significantly affected the results previously reported in the 1994 renewal application. California Ocean Plan Table B substances that were not analyzed for this quarter were not added to the discharge stream.
3. During the third quarter of 2009, maintenance activities that required draining of closed cooling water systems were performed and are summarized below. PG&E received concurrence from the CCRWQCB in response to letters dated July 19, 1995 (PG&E Letter DCL-95-156), May 23, 1996 (PG&E Letter DCL-96-522), and May 19, 1997 (PG&E Letter DCL-97-533) regarding the use of glutaraldehyde and isothiazolin to control microbiological growth and corrosion in DCP's closed cooling water systems. Discharges are drained at a flow rate such that the chronic toxicity level remains below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001.

Date	System	Volume (gallons)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l as Cl)	Total Suspended Solids (mg/l)	Oil & Grease (mg/l)
07/20/09	Unit 1 SCW	33,600	163	5.3	2.6	<1.4
07/28/09	Unit 2 SCW	33,500	51	5.7	<2.0	<1.4
08/20/09	Unit 1 ICW	3,300	58	2.5	N/A	N/A
08/28/09	Unit 1 SCW	25	65	2.4	N/A	N/A
08/29/09	Unit 2 SCW	12	66	1.3	N/A	N/A
09/09/09	Unit 2 CCW	4,000	140	N/A	<2.0	<1.4

4. Two events affected the results of continuous chlorine monitoring at Discharge 001 during the third quarter. Engineering evaluations were subsequently completed as authorized by the Regional Board in accordance with PG&E's January 5, 1994 letter. Event interval, affected monitor, number of affected results, the cause(s), and corrective action(s) have been tabulated below. The engineering evaluations were based on recorded chemical injection rates and condenser waterbox inlet chlorine monitoring results. These factors were used to calculate estimates of actual chlorine concentration at Discharge 001 during the respective event intervals. The estimates were then used to replace results indicated by the affected monitor. Results from the engineering evaluations were all well below the applicable 89-µg/L discharge limit.

Interval	Affected Monitor	Affected Readings	Cause	Corrective Actions
07/01/09 to 07/08/09	Unit 2	42	Calibration shifted following start-up of monitor.	Monitor recalibrated.
09/02/09 to 09/09/09	Unit 1	41	Calibration shifted following start-up of monitor.	Monitor recalibrated.



## SUMMARY OF MONITORING PROGRAM

### A. Monitoring of Plant Influent and Effluent

1. The results of the July, August, and September 2009 plant influent and effluent monitoring are reported on Discharge Self Monitoring Report (DSMR) forms in **Appendices 2, 3, and 4**, respectively.
2. The laboratory report for one acute bioassay on water sampled from Discharge 001, performed August 19-23, 2009, is included in **Appendix 5**. The acute bioassay results show that toxicity was 0.23 TUa. The 6-month median is 0.23, which is below the permit limit of 0.26.
3. The laboratory report for one chronic bioassay on water sampled from Discharge 001, performed August 19-21, 2009, is included in **Appendix 6**. The bioassay results show that chronic toxicity was 1.0 TUc (no chronic toxicity).

### B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

Ecological studies in the vicinity of Diablo Cove conducted during the third quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWQCB) dated December 9, 1998, and as detailed in a letter (PG&E Letter DCL-99-503) dated January 8, 1999. This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. The RWMP replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. In Situ Bioassay

Results of the Mussel Watch Program will be reported to the CCRWQCB directly from the California Department of Fish and Game in the Department's periodic report for this program.

### C. Sodium Bromide Treatment Program

Diablo Canyon Power Plant is continuing the use of generic sodium bromide to control macrofouling growth for both Units. Both circulating water conduits of each Unit can be chemically treated simultaneously. Each treated conduit typically receives a twenty-minute injection every four hours (six injections a day) of sodium bromide (NaBr) in combination with sodium hypochlorite (NaOCl).

Each injection attempts to achieve a target concentration of 200 parts per billion (ppb) Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remained below NPDES limitations throughout the quarter.

Both conduits of Unit 1 were treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the third quarter of 2009 without interruptions.

Conduit 2-1 was treated with simultaneous injections of sodium bromide and sodium hypochlorite six times a day throughout the third quarter of 2009 except the last few days when sodium bromide was shut down in preparation for the 2R15 refueling outage. Conduit 2-2 started the quarter without injections as Circulating Water Pump 2-2 was shut down for an unscheduled curtailment. Simultaneous injections with both chemicals were restarted in early July and ran through the rest of the quarter except the last few days when sodium bromide was shut down in preparation for the 2R15 refueling outage.

## APPENDIX 1

### DIABLO CANYON POWER PLANT

<b>NPDES DISCHARGE POINTS</b>	
<b>DISCHARGE NUMBER</b>	<b>DESCRIPTION</b>
001	Once-Through Cooling Water
001 A	Firewater Systems
001 B	Auxiliary Salt Water Cooling System
001 C	Discharge Deleted
001 D	Liquid Radioactive Waste Treatment System
001 E	Service Cooling Water System
001 F	Turbine Building Sump
001 G	Make-Up Water System Waste Effluent
001 H	Condensate Demineralizer Regenerant
001 I	Seawater Evaporator Blowdown
001 J	Condensate Pumps Discharge Header Overboard
001 K	Condenser Tube Sheet Leak Detection Dump Tank Overboard
001 L	Steam Generator Blowdown
001 M	Wastewater Holding and Treatment System
001 N	Sanitary Wastewater Treatment System
001 P	Seawater Reverse Osmosis System Blowdown
002	Intake Structure Building Floor Drains
003	Intake Screen Wash
004	Bio Lab and Storm Water Runoff
005, 008, 009, 013, 014, 015	Yard Storm Drains
006, 007, 010, 011, 012	Storm Water Runoff
016	Bio Lab Seawater Supply Pump Valve Drain
017	Seawater Reverse Osmosis System Blowdown Drain

**APPENDIX 2**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**July 2009**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	55.0	70.5	15.5	1862				
2	53.7	68.5	14.8	1862				
3	53.4	70.0	16.6	2122				
4	54.2	72.6	18.4	2486				
5	53.6	72.4	18.8	2486				
6	52.5	71.2	18.7	2486				
7	51.4	70.1	18.7	2486				
8	52.2	70.9	18.7	2486				
9	52.5	71.2	18.7	2486				
10	52.6	71.3	18.7	2486				
11	53.0	71.6	18.6	2486				
12	52.7	71.4	18.7	2486				
13	52.3	70.9	18.6	2486				2 7.9
14	53.5	72.1	18.6	2486				
15	53.8	72.6	18.8	2486			2 7.7	
16	53.7	72.5	18.8	2486				
17	53.7	72.4	18.7	2486				
18	53.4	72.1	18.7	2486				
19	53.5	72.3	18.8	2486				
20	53.1	71.9	18.8	2486				
21	52.8	71.5	18.7	2486				
22	52.8	71.5	18.7	2486				
23	52.9	71.6	18.7	2486				
24	52.8	71.5	18.7	2486				
25	52.5	71.2	18.7	2486				
26	53.3	71.9	18.6	2486				
27	53.7	72.3	18.6	2486	7.7	7.7		
28	53.0	71.8	18.8	2486				
29	53.3	72.0	18.7	2486				
30	54.6	73.6	19.0	2486				
31	53.9	73.1	19.2	2486				
MONTHLY AVG	53.2	71.6	18.4	2434	7.7	7.7	7.7	7.9
MONTHLY HIGH	55.0	73.6	19.2	2486	7.7	7.7	7.7	7.9
MONTHLY LOW	51.4	68.5	14.8	1862	7.7	7.7	7.7	7.9
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* EXCEPT DURING DEMUSSELING.  
\*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
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FACILITY I.D.  
 3 402003001

YEAR / MO / DAY  
 BEGINNING 09 / 07 / 01

YEAR / MO / DAY  
 ENDING 09 / 07 / 31

STATE CODE  
 06

NPDES PERMIT #  
 CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							15	605
2			3 ND(5.0)				32	634
3							38	662
4							39	662
5							37	662
6							36	662
7							39	662
8			3 ND(5.0)			ND(5.0)	39	670
9							47	677
10							39	677
11							36	677
12							27	677
13	7.9	7.9					27	641
14			3 ND(5.0)				30	590
15							30	576
16							25	576
17							27	576
18							27	576
19							23	576
20							27	576
21							25	576
22							30	576
23							27	576
24			3 ND(5.0)				33	576
25							30	576
26							27	576
27			3 ND(5.0)				22	571
28							21	562
29							25	562
30							25	562
31							25	562
MONTHLY AVG	7.9	7.9	ND(5.0)	NO	NO	ND(5.0)	30	609
MONTHLY HIGH	7.9	7.9	ND(5.0)	DISCHARGE	DISCHARGE	ND(5.0)	47	677
	7.9	7.9	ND(5.0)			ND(5.0)	15	562
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* WHEN 001N IS DISCHARGING TO 001P.  
 \*\*\* WHEN 001P IS DISCHARGING TO 003.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryon Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 09 / 07 / 01		YEAR / MO / DAY ENDING 09 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751											
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB    GRAB    MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB    GRAB    MONTHLY												
	1																	
2			4	10	4	<	2	4	**<	5								
3																		
4																		
5																		
6																		
7																		
8											2		3	2		3	2	ND(5)
9																		
10			2	2				2		ND(5)								
11																		
12																		
13																		
14																		
15																		
16			2	19				2		19								
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25																		
26																		
27							<	2		ND(5)								
28																		
29																		
30							<	2		ND(5)								
31																		
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE							**<	5								ND(5)
MONTHLY HIGH										19								ND(5)
MONTHLY LOW										ND(5)								ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED		90% SMPLS>400																
TIMES EXCEEDED	1 MAX >10K																	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

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3 402003001		BEGINNING	09 / 07 / 01		ENDING	09 / 07 / 31		06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS							
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET					
1											
2					3	< 2				ND(5)	
3											
4											
5											
6					2	< 2				ND(5)	
7											
8											
9											
10											
11											
12											
13		< 2								ND(5)	
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26											
27											
28											
29											
30											
31											
MONTHLY AVG					ND(5)					ND(5)	
MONTHLY HIGH					ND(5)					ND(5)	
MONTHLY LOW					ND(5)					ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30=0				
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0				
TIMES EXCEEDED											

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009



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3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1				< 2			ND(5)	
2								
3								
4								
5								
6								
7								
8								
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11								
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15								
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND(5)	
MONTHLY HIGH							ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 07 / 01		ENDING	09 / 07 / 31		06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1								
2								
3								
4								
5								
6				2	<	2	2	ND(5)
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND(5)	
MONTHLY HIGH							ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001  
YEAR / MO / DAY BEGINNING 09 / 07 / 01  
YEAR / MO / DAY ENDING 09 / 07 / 31  
STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS		
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1							
2				12			
3							
4							
5							
6							
7							
8				19			
9							
10							
11							
12							
13							
14				13			
15					3	6	3
16							
17							
18							
19							
20							
21							
22							
23							
24				9			
25							
26							
27				10			
28							
29							
30							
31							
MONTHLY AVG			NO	13			5
MONTHLY HIGH			DISCHARGE	19			5
MONTHLY LOW				9			5
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13	2 < 2	2 < 2	2	ND(5)	2	9	2 < 2	2	8
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG				ND(5)					8
MONTHLY HIGH				ND(5)					8
MONTHLY LOW				ND(5)					8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 07 / 01		ENDING	09 / 07 / 31		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTL SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC	
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	ml/l GRAB WEEKLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	
	WEEKLY WHEN 001N & 001P => 003								
1									
2				ND(0.1)					
3									
4									
5									
6									
7									
8				ND(0.1)					
9									
10									
11									
12									
13									
14				ND(0.1)					
15									
16									
17									
18									
19									
20									
21									
22									
23									
24				ND(0.1)					
25									
26									
27				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
28									
29									
30									
31									
MONTHLY AVG			NO	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH			DISCHARGE	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (Q) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751			
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	
1									
2						2 ** 6.9		ND(5.0)	
3									
4									
5									
6								ND(5.0)	
7									
8									
9									
10						5.6			
11									
12									
13							ND(5.0)		
14									
15				ND(200)	ND(200)				
16						ND(5.0)			
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27	ND(10)	ND(10)	ND(10)						
28									
29									
30									
31									
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(200)	ND(200) **	6.2	ND(5.0)	ND(5.0)	
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	6.9	ND(5.0)	ND(5.0)	
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	ND(5.0)	ND(5.0)	ND(5.0)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* FLOW-WEIGHTED AVERAGE RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
1		ND(5.0)						
2								
3								
4								
5								
6				2	ND(5.0)			
7								
8								
9								
10								
11								
12								
13							2	ND(5.0)
14								ND(5.0)
15						ND(5.0)		
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO	ND(5.0)	NO	ND(5.0)	NO	ND(5.0)	ND(5.0)	ND(5.0)
MONTHLY HIGH	DISCHARGE	ND(5.0)	DISCHARGE	ND(5.0)	DISCHARGE	ND(5.0)	ND(5.0)	ND(5.0)
MONTHLY LOW		ND(5.0)		ND(5.0)		ND(5.0)	ND(5.0)	ND(5.0)
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT
1					2	
2			ND(10)		ND(10)	ND(10)
3						
4						
5						
6						
7				ND(10)		
8						
9				ND(10)		
10						
11						
12						
13	ND(5.0)					
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	ND(5.0)	**	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	ND(5.0)		ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW	ND(5.0)		ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	MO AVG 15 = 0		NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0.26=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* TOXICITY SAMPLING AND TESTING PERFORMED IN AUGUST. REFER TO AUGUST 2009 REPORT.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/1 1 WEEK COMP JA/AP/JUL/OCT
1			2	ND(10)			2	ND(10)
2	ND(10)				ND(10)			11
3								
4								
5								
6								
7		29				45		
8								
9		24				26		
10								
11								
12								
13								
14								
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16								
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19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	27	ND(10)	ND(10)	ND(10)	35	ND(10)	11
MONTHLY HIGH	ND(10)	29	ND(10)	ND(10)	ND(10)	45	ND(10)	11
MONTHLY LOW	ND(10)	24	ND(10)	ND(10)	ND(10)	26	ND(10)	11
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 09 / 07 / 01

YEAR / MO / DAY  
ENDING 09 / 07 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/1 1 WEEK COMP JA/AP/JUL/OCT
1			2	ND(10)			2	ND(0.20)
2	ND(10)				ND(10)			ND(0.20)
3								
4								
5								
6								
7		ND(10)				ND(0.20)		
8								
9		ND(10)				ND(0.20)		
10								
11								
12								
13								
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15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(10)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(10)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(10)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 6

FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 09 / 07 / 01

YEAR / MO / DAY  
ENDING 09 / 07 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/1 1 WEEK COMP JA/AP/JUL/OCT
1			2	ND(10)			2	ND(10)
2	ND(10)				ND(10)			ND(10)
3								
4								
5								
6								
7		19				ND(10)		
8								
9		14				ND(10)		
10								
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30								
31								
MONTHLY AVG	ND(10)	17	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH	ND(10)	19	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW	ND(10)	14	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 09 / 07 / 01

YEAR / MO / DAY  
ENDING 09 / 07 / 31

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/1 1 WEEK COMP JA/AP/JUL/OCT	
1			2	ND(10)	
2	53			24	
3					
4					
5					
6					
7		40			
8					
9		14			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
MONTHLY AVG	53	27	ND(10)	24	
MONTHLY HIGH	53	40	ND(10)	24	
MONTHLY LOW	53	14	ND(10)	24	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED					
TIMES EXCEEDED					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001  
YEAR / MO / DAY BEGINNING 09 / 07 / 01  
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STATE CODE 06  
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/1 24-HR COMP. METAL CLNG	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 09 / 07 / 01		YEAR / MO / DAY ENDING 09 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/1 24-HR COMP. METAL CLNG	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
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16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	
TIMES EXCEEDED	D MAX 1=0	D MAX 1=0	D MAX 1=0	D MAX 1=0	D MAX 1=0	
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
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06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								ND(10)
MONTHLY AVG								ND(10)
MONTHLY HIGH								ND(10)
MONTHLY LOW								ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D.  
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 06

NPDES PERMIT #  
 CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	INFLUENT SILVER ug/1 GRAB OCTOBER	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	INFLUENT CYANIDE ug/1 GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001  
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STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/1 GRAB OCTOBER	EFFLUENT 001D BORON mg/1 GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/1 GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/1 GRAB OCTOBER	
1								
2								
3								
4								
5								
6								
7								
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21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0	
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0	
TIMES EXCEEDED		IMAX 50=0						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
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CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 09 / 07 / 01      YEAR / MO / DAY ENDING 09 / 07 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/1 GRAB OCTOBER	INFLUENT PCB'S ug/1 GRAB OCTOBER	EFFLUENT 001 PCB'S ug/1 GRAB OCTOBER	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX20=0			
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 09 / 07 / 01		YEAR / MO / DAY ENDING 09 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 07 / 01	ENDING	09 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB	EFFLUENT 001N SLUDGE VOLUME tons
	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

**APPENDIX 3**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**August 2009**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 09 / 08 / 01		YEAR / MO / DAY ENDING 09 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY		
1	53.9	72.9	19.0	2486						
2	53.0	72.1	19.1	2486						
3	52.7	71.8	19.1	2486						
4	52.8	71.9	19.1	2486	8.0	8.0	2	7.7	2	8.0
5	52.7	71.9	19.2	2486						
6	53.3	72.5	19.2	2486						
7	52.7	71.6	18.9	2486						
8	51.8	70.8	19.0	2486						
9	52.9	68.8	15.9	2486						
10	53.9	71.9	18.0	2486						
11	54.3	72.8	18.5	2486						
12	53.5	72.5	19.0	2486						
13	53.4	66.8	13.4	2486						
14	52.4	62.3	9.9	2486						
15	52.5	62.2	9.7	2486						
16	53.0	62.7	9.7	2486						
17	52.9	62.7	9.8	2486						
18	53.2	62.8	9.6	2486						
19	53.7	63.1	9.4	2486						
20	54.2	63.3	9.1	2486						
21	53.6	63.0	9.4	2486						
22	53.7	56.0	2.3	2486						
23	53.5	63.1	9.6	2486						
24	53.3	70.7	17.4	2486						
25	53.0	71.3	18.3	2486						
26	53.3	71.3	18.0	2486						
27	53.2	70.1	16.9	2486						
28	54.0	71.2	17.2	2486						
29	54.6	71.9	17.3	2486						
30	53.9	71.4	17.5	2486						
31	53.8	71.1	17.3	2486						
MONTHLY AVG	53.3	68.3	15.0	2486	8.0	8.0		7.7		8.0
MONTHLY HIGH	54.6	72.9	19.2	2486	8.0	8.0		7.7		8.0
MONTHLY LOW	51.8	56.0	2.3	2486	8.0	8.0		7.7		8.0
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED			(**)							
TIMES EXCEEDED										

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* EXCEPT DURING DEMUSSELING.  
 \*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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 AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							39	562
2							43	562
3						ND(5.0)	30	562
4	8.0	8.0					36	562
5							33	562
6							32	562
7			3	ND(5.0)			36	562
8							43	562
9							30	562
10							21	562
11							21	590
12			3	ND(5.0)			25	619
13							47	619
14							47	619
15							43	619
16							43	619
17							39	619
18							43	619
19							39	619
20			3	ND(5.0)			43	619
21							57	619
22							52	600
23							43	576
24							30	576
25							30	576
26			3	ND(5.0)			27	576
27							32	576
28							32	576
29							27	576
30							27	576
31							30	576
MONTHLY AVG	8.0	8.0	ND(5.0)	NO	NO	ND(5.0)	36	587
MONTHLY HIGH	8.0	8.0	ND(5.0)	DISCHARGE	DISCHARGE	ND(5.0)	57	619
MONTHLY LOW	8.0	8.0	ND(5.0)			ND(5.0)	21	562
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* WHEN 001N IS DISCHARGING TO 001P.  
 \*\*\* WHEN 001P IS DISCHARGING TO 003.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	mg/1 1st FLTR	EFFLUENT 001D SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	EFFLUENT 001F SUSPENDED SOLIDS mg/1 2nd FLTR GRAB MONTHLY		mg/1 NET
1									
2									
3						2	3	2	2
4									ND(5)
5			2	49	2				
6									
7									
8									
9									
10			<	2					
11			3	<	2	3	**<		5
12			2	<	2				ND(5)
13			2	<	2				ND(5)
14									
15			<	2					ND(5)
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26			2	<	2	2			ND(5)
27									
28									
29									
30									
31									
MONTHLY AVG	NO	NO			**<	5			ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE				49			ND(5)
MONTHLY LOW						ND(5)			ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90% SMPLS>400			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

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DATE  
10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
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 895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.	YEAR / MO / DAY BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3 402003001	09 / 08 / 01			09 / 08 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY			EFFLUENT 001H SUSPENDED SOLIDS mg/1 1st FLTR    mg/1 2nd FLTR    mg/1 NET GRAB MONTHLY				
	1							
2				2	<	2	2	ND(5)
3	3		ND(5)					
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND(5)					ND(5)
MONTHLY HIGH			ND(5)					ND(5)
MONTHLY LOW			ND(5)					ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30=0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

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<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D.	YEAR / MO / DAY * BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3402003001	09 / 08 / 01			09 / 08 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13				< 2	< 2		ND(5)	
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND(5)	
MONTHLY HIGH							ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

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<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1								
2								
3				2	<	2	2	ND(5)
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND(5)	
MONTHLY HIGH							ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
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*Bryan Cunningham*  
 DATE  
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CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
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ENDING 09 / 08 / 31

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06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1								
2								
3								
4								
5								
6								
7				7				
8								
9								
10					3	2	3 < 2	3 ND(5)
11								
12				24				
13								
14								
15								
16								
17								
18								
19								
20				14				
21								
22								
23								
24								
25								
26				14				
27								
28								
29								
30								
31								
MONTHLY AVG				15				ND(5)
MONTHLY HIGH				24				ND(5)
MONTHLY LOW				7				ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 08 / 01		ENDING	09 / 08 / 31		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4	2 <	2	2	ND(5)	2	9	2 <	2	9
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG				ND(5)					9
MONTHLY HIGH				ND(5)					10
MONTHLY LOW				ND(5)					8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 08 / 01		ENDING	09 / 08 / 31		06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTLE SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	ml/1 GRAB WEEKLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY
	WEEKLY WHEN 001N & 001P => 003							
1								
2								
3								
4						ND(10)	ND(10)	11
5								
6								
7					ND(0.1)			
8								
9								
10								
11								
12					ND(0.1)			
13								
14								
15								
16								
17								
18								
19								
20					ND(0.1)			
21								
22								
23								
24								
25								
26					ND(0.1)			
27								
28								
29								
30								
31								
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	11	ND(10)
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	11	ND(10)
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	11	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 09 / 08 / 01      YEAR / MO / DAY ENDING 09 / 08 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPLE TYPE FREQ.	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
1								
2								
3								
4	ND(10)	ND(10)	11					
5								
6								
7								
8								
9								
10								
11						ND(5.0)		
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26						6.4		
27								
28								
29								
30								
31								
MONTHLY AVG	ND(10)	ND(10)	11			** < 5.0		
MONTHLY HIGH	ND(10)	ND(10)	11			6.4		
MONTHLY LOW	ND(10)	ND(10)	11			ND(5.0)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* FLOW-WEIGHTED AVERAGE RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
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06

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
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 895 AEROVISTA PLACE, SUITE 101  
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN >TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17		0.23				
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG		0.23				
MONTHLY HIGH		0.23				
MONTHLY LOW		0.23				
TIMES EXCEEDED	MO AVG 15 = 0		NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED		6M-MED 0.26=0				

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (Q) 4

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/1 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 5

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31		06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/1 1 WEEK COMP JA/AP/JUL/OCT	
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

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<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
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DISCHARGE SELF MONITORING REPORT

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 AVILA BEACH, CALIF 93424

PAGE: (Q) 6

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/1 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT		
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MONTHLY LOW						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT		
TIMES EXCEEDED						
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

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PAGE: (Q) 8

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG DISCHARGE	NO	NO	NO	NO	NO	
MONTHLY HIGH DISCHARGE						
MONTHLY LOW DISCHARGE						
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

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895 AEROVISTA PLACE, SUITE 101  
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PACIFIC GAS AND ELECTRIC CO.  
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PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 9

FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 09 / 08 / 01      YEAR / MO / DAY ENDING 09 / 08 / 31      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPPL TYPE FREQ.	EFFLUENT 001D IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/1 24-HR COMP. METAL CLNG
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MONTHLY AVG	NO	NO	NO	NO	NO
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE
MONTHLY LOW					
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0
TIMES EXCEEDED					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (A) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER	
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MONTHLY HIGH								ND(10)	
MONTHLY LOW								ND(10)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0		
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0		

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryson Cunningham</i>	10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	INFLUENT SILVER ug/1 GRAB OCTOBER	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	INFLUENT CYANIDE ug/1 GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER
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TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

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<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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895 AEROVISTA PLACE, SUITE 101  
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PACIFIC GAS AND ELECTRIC CO.  
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PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
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MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
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*Bryan Cunningham*  
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10/15/2009

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PAGE: (A) 4

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/1 GRAB OCTOBER	INFLUENT PCB'S ug/1 GRAB OCTOBER	EFFLUENT 001 PCB'S ug/1 GRAB OCTOBER
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TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
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MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
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PAGE: (A) 6

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 08 / 01	ENDING	09 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
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12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

**APPENDIX 4**

**DIABLO CANYON POWER PLANT**

**Influent and Effluent Monitoring**

**September 2009**

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	53.8	71.2	17.4	2486				
2	54.7	72.2	17.5	2486				
3	54.9	72.3	17.4	2486				
4	53.8	71.3	17.5	2486				
5	53.3	70.5	17.2	2486				
6	53.4	70.7	17.3	2486				
7	53.2	70.5	17.3	2486				
8	53.6	71.0	17.4	2486				
9	54.7	71.5	16.8	2486				
10	55.6	71.8	16.2	2486	8.0	8.1	2	7.8 2
11	56.1	72.5	16.4	2486				
12	56.0	72.3	16.3	2486				
13	56.0	72.4	16.4	2486				
14	55.7	72.4	16.7	2486				
15	54.8	71.4	16.6	2486				
16	54.6	71.0	16.4	2486				
17	53.7	70.2	16.5	2486				
18	56.0	73.4	17.4	2486				
19	56.9	68.1	11.2	2486				
20	55.8	66.3	10.5	2486				
21	55.4	66.3	10.9	2486				
22	55.4	69.1	13.7	2486				
23	54.9	73.9	19.0	2486				
24	54.4	74.0	19.6	2486				
25	54.7	74.3	19.6	2486				
26	55.5	74.8	19.3	2486				
27	55.9	75.4	19.5	2486				
28	56.4	75.9	19.5	2486				
29	56.3	75.8	19.5	2486				
30	54.4	74.0	19.6	2486				
31								
MONTHLY AVG	55.0	71.9	16.9	2486	8.0	8.1	7.8	8.1
MONTHLY HIGH	56.9	75.9	19.6	2486	8.0	8.1	7.8	8.1
MONTHLY LOW	53.2	66.3	10.5	2486	8.0	8.1	7.8	8.1
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(*)					
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* EXCEPT DURING DEMUSSELING.  
 \*\*\* DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							33	576
2						ND(5.0)	36	576
3			3	ND(5.0)			30	576
4							32	576
5							30	576
6							30	576
7							32	576
8							66	590
9			3	ND(5.0)			35	605
10	8.1	8.1					47	619
11							47	634
12							43	634
13							43	634
14							43	634
15			3	ND(5.0)			47	634
16							47	619
17							47	605
18							47	605
19							39	605
20							47	605
21							47	605
22							43	605
23							43	605
24			3	ND(5.0)			43	590
25							47	576
26							39	576
27							36	576
28							32	576
29							32	581
30							36	590
31								
MONTHLY AVG	8.1	8.1	ND(5.0)	NO	NO	ND(5.0)	41	598
MONTHLY HIGH	8.1	8.1	ND(5.0)	DISCHARGE	DISCHARGE	ND(5.0)	66	634
MONTHLY LOW	8.1	8.1	ND(5.0)			ND(5.0)	30	576
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* WHEN 001N IS DISCHARGING TO 001P.  
 \*\*\* WHEN 001P IS DISCHARGING TO 003.  
 \*\*\*\* CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (M) 3

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY			STATE CODE	NPDES PERMIT #						
3402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30		06	CA0003751						
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB MONTHLY							
	1												
2						2	<	2	2	<	2	2	ND(5)
3			2	<	2								
4													
5													
6													
7													
8				<	2								ND(5)
9			2	<	2				2				ND(5)
10			2		18	2	<	2	2				18
11				<	2								ND(5)
12													
13													
14				<	2								ND(5)
15													
16													
17													
18													
19													
20													
21													
22			2		21	2	<	2	2				19
23													
24			2	<	2				2				ND(5)
25													
26													
27													
28													
29													
30													
31													
MONTHLY AVG	NO	NO				**<		5					ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE						19					ND(5)
MONTHLY LOW								ND(5)					ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0				NO LIMIT
TIMES EXCEEDED		90% SMPLS>400			D MAX 100 = 0				D MAX 100 = 0				
TIMES EXCEEDED	I MAX >10K												

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
 \*\* FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1	< 2		ND(5)	5	< 2	5		
2								
3								
4								
5								
6				< 2	< 2	ND(5)		
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND(5)		< 5			
MONTHLY HIGH			ND(5)		5			
MONTHLY LOW			ND(5)		ND(5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 09 / 09 / 01      YEAR / MO / DAY ENDING 09 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS			EFFLUENT 001J SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19				< 2		ND(5)	
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	NO DISCHARGE						ND(5)
MONTHLY HIGH							ND(5)
MONTHLY LOW							ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0	
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS mg/1 NET			EFFLUENT 001L SUSPENDED SOLIDS mg/1 NET				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY		mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY			
1				2	< 2		2	ND(5)
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE						ND(5)	
MONTHLY HIGH							ND(5)	
MONTHLY LOW							ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.  
3 402003001

YEAR / MO / DAY  
BEGINNING 09 / 09 / 01

YEAR / MO / DAY  
ENDING 09 / 09 / 30

STATE CODE  
06

NPDES PERMIT #  
CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/1 COMPOSITE WEEKLY		EFFLUENT 001P SUSPENDED SOLIDS				
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
1										
2										
3				34						
4										
5										
6										
7										
8										
9				10	3	8	3	< 2	3	5
10										
11										
12										
13										
14										
15				23						
16										
17										
18										
19										
20										
21										
22										
23										
24				30						
25										
26										
27										
28										
29										
30										
31										
MONTHLY AVG			NO	32						5
MONTHLY HIGH			DISCHARGE	34						5
MONTHLY LOW				10						5
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0		NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			D MAX 100 = 0					D MAX 100 = 0		
TIMES EXCEEDED										

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (M) 8

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	09 / 09 / 01		ENDING	09 / 09 / 30		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET			
	GRAB MONTHLY			GRAB MONTHLY					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10	2 <	2	2	ND(5)	2	3	2 <	2	ND(5)
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND(5)			ND(5)					
MONTHLY HIGH	ND(5)			ND(5)					
MONTHLY LOW	ND(5)			ND(5)					
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
  
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10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
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 895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3402003001	BEGINNING	09 / 09 / 01		ENDING	09 / 09 / 30		06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTLED SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC	
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET GRAB	ml/1 GRAB WEEKLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY	ug/1 GRAB MONTHLY	
	WEEKLY WHEN 001N & 001P => 003								
1									
2									
3				ND(0.1)					
4									
5									
6									
7									
8									
9				ND(0.1)					
10					ND(10)	ND(10)	ND(10)		ND(10)
11									
12									
13									
14									
15				ND(0.1)					
16									
17									
18									
19									
20									
21									
22									
23									
24				ND(0.1)					
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
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895 AEROVISTA PLACE, SUITE 101  
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF. 93424

PAGE: (Q) 1

FACILITY I.D. 3 402003001      YEAR / MO / DAY BEGINNING 09 / 09 / 01      YEAR / MO / DAY ENDING 09 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS S MPL TYPE FREQ.	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
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2								
3								
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10	ND(10)	ND(10)	ND(10)					
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21								
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24						ND(5.0)		
25								
26								
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29								
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31								
MONTHLY AVG	ND(10)	ND(10)	ND(10)			** ND(5.0)		
MONTHLY HIGH	ND(10)	ND(10)	ND(10)			ND(5.0)		
MONTHLY LOW	ND(10)	ND(10)	ND(10)			ND(5.0)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* FLOW-WEIGHTED AVERAGE RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (Q) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
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19		ND(5.0)						
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30								
31								
MONTHLY AVG	ND(5.0)							
MONTHLY HIGH	ND(5.0)							
MONTHLY LOW	ND(5.0)							
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 3

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751
STATION ANALYSIS UNITS SEMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU. GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY AVG						
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 15 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0.26=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/1 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (Q) 5

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/1 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/1 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
 JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
 DATE  
 10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/1 1 WEEK COMP JA/AP/JUL/OCT		
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MONTHLY AVG						
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MONTHLY LOW						
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT		
TIMES EXCEEDED						
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
 CENTRAL COAST REGION  
 895 AEROVISTA PLACE, SUITE 101  
 SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
 DIABLO CANYON NUCLEAR POWER PLANT  
 PO BOX 56  
 AVILA BEACH, CALIF 93424

PAGE: (Q) 8

FACILITY I.D.  
 3 402003001

YEAR / MO / DAY  
 BEGINNING 09 / 09 / 01

YEAR / MO / DAY  
 ENDING 09 / 09 / 30

STATE CODE  
 06

NPDES PERMIT #  
 CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/1 24-HR COMP. METAL CLNG
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE
TIMES EXCEEDED	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0	MO AVG 1 = 0
TIMES EXCEEDED	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0	D MAX 1 = 0
TIMES EXCEEDED					

REMARKS: NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/1 24-HR COMP. METAL CLNG	
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MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	MO AVG 1=0	
TIMES EXCEEDED	D MAX 1=0	D MAX 1=0	D MAX 1=0	D MAX 1=0	D MAX 1=0	
TIMES EXCEEDED						

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009



CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 1

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/1 GRAB OCTOBER	INFLUENT ARSENIC ug/1 GRAB OCTOBER	EFFLUENT ARSENIC ug/1 GRAB OCTOBER	INFLUENT CADMIUM ug/1 GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/1 GRAB OCTOBER	INFLUENT LEAD ug/1 GRAB OCTOBER	EFFLUENT 001 LEAD ug/1 GRAB OCTOBER	INFLUENT ZINC ug/1 GRAB OCTOBER
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MONTHLY AVG							**	19
MONTHLY HIGH								19
MONTHLY LOW								19
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.  
\*\* INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 2

FACILITY I.D. 3402003001      YEAR / MO / DAY BEGINNING 09 / 09 / 01      YEAR / MO / DAY ENDING 09 / 09 / 30      STATE CODE 06      NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/1 GRAB OCTOBER	EFFLUENT 001 MERCURY ug/1 GRAB OCTOBER	INFLUENT SILVER ug/1 GRAB OCTOBER	EFFLUENT 001 SILVER ug/1 GRAB OCTOBER	INFLUENT CYANIDE ug/1 GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/1 GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/1 (NONCL) GRAB OCTOBER
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MONTHLY AVG								
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MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER  
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT  
*Bryan Cunningham*  
DATE  
10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
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PO BOX 56  
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 09 / 09 / 01		YEAR / MO / DAY ENDING 09 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SEMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/1 GRAB OCTOBER	EFFLUENT 001D BORON mg/1 GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/1 GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/1 GRAB OCTOBER
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28							
29							
30							
31							
MONTHLY AVG							
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 4

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 09 / 09 / 01		YEAR / MO / DAY ENDING 09 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/1 GRAB OCTOBER	INFLUENT PCB'S ug/1 GRAB OCTOBER	EFFLUENT 001 PCB'S ug/1 GRAB OCTOBER
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG							
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	MO AVG 15=0	NO LIMIT	NO LIMIT
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0		
TIMES EXCEEDED							

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 5

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD  
CENTRAL COAST REGION  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.  
DIABLO CANYON NUCLEAR POWER PLANT  
PO BOX 56  
AVILA BEACH, CALIF 93424

PAGE: (A) 6

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	09 / 09 / 01	ENDING	09 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS: \* NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
JAMES R. BECKER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Bryan Cunningham</i>	10/15/2009

**APPENDIX 5**

**DIABLO CANYON POWER PLANT**

Acute Bioassay

August 19-23, 2009



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

September 1, 2009

Mr. Jim Kelly  
PG&E- Diablo Canyon Power Plant  
9 Miles NW Avila Beach  
Avila Beach, CA 93424

Dear Mr. Kelly:

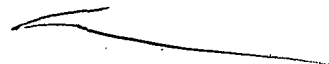
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory, Department of Fish and Game. Results were as follows:

CLIENT:	PG&E- Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001 Acute
DATE RECEIVED:	19 Aug - 09
ABC LAB. NO.:	PGE0809.197

**ACUTE ABALONE SURVIVAL BIOASSAY**

LC50 = 97.5 % Survival in 100 % Sample  
TUa = 0.23

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director



**-96 Hr Survival**

Start Date: 8/19/2009	Test ID: PGE0809197	Sample ID: CA0000000
End Date: 8/23/2009	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/18/2009	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 Acute		

Conc-%	1	2
N Control	1.0000	1.0000
100	1.0000	0.9500

Conc-%	Transform: Arcsin Square Root							Isotonic	
	Mean	N-Mean	Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4588	1.4588	1.4588	0.000	2	1.0000	1.0000
100	0.9750	0.9750	1.4020	1.3453	1.4588	5.723	2	0.9750	0.9750

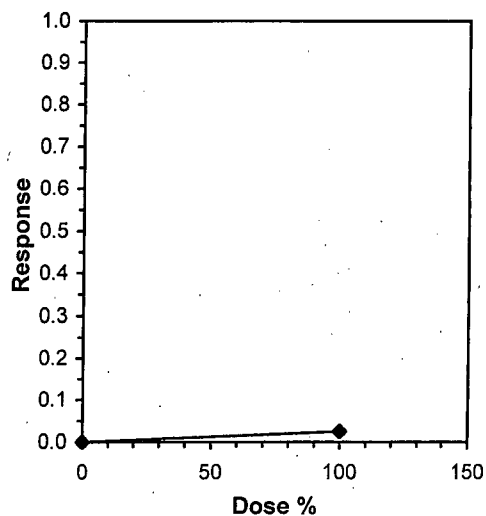
Auxiliary Tests	Statistic	Critical	Skew	Kurt
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Normality of the data set cannot be confirmed

Equality of variance cannot be confirmed

Linear Interpolation (200 Resamples)				
Point	%	SD	95% CL(Exp)	Skew

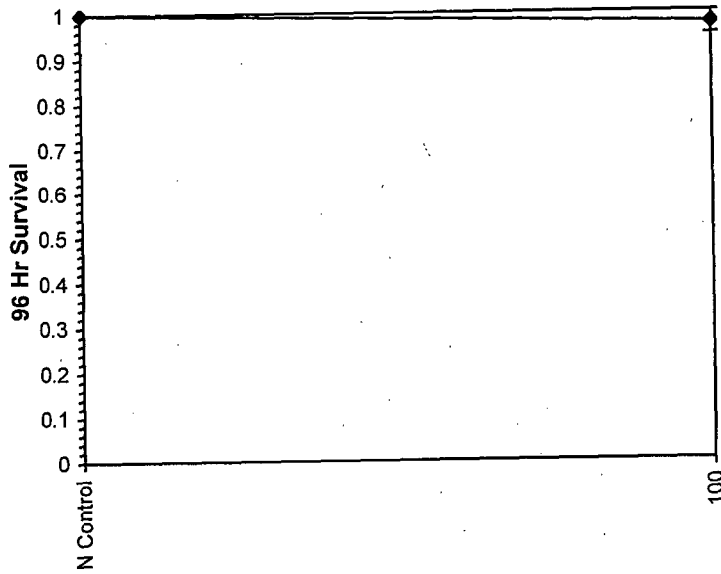
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



**-96 Hr Survival**

Start Date: 8/19/2009	Test ID: PGE0809197	Sample ID: CA0000000
End Date: 8/23/2009	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/18/2009	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 Acute		

**Dose-Response Plot**



**-96 Hr Survival**

Start Date: 8/19/2009	Test ID: PGE0809197	Sample ID: CA0000000
End Date: 8/23/2009	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 8/18/2009	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 Acute		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	14.88	14.50	15.10	0.22	3.15	10
100		14.68	14.40	14.90	0.17	2.80	10
N Control	pH	7.83	7.70	8.00	0.09	3.93	10
100		7.72	7.60	7.80	0.08	3.64	10
N Control	DO mg/L	7.36	6.70	7.90	0.41	8.72	10
100		7.28	6.70	7.70	0.40	8.74	10
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	10
100		34.00	34.00	34.00	0.00	0.00	10
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0



**APPENDIX 6**

**DIABLO CANYON POWER PLANT**

Chronic Bioassay

August 19-21, 2009



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

September 1, 2009

Mr. Jim Kelly  
PG&E- Diablo Canyon Power Plant  
9 Miles NW Avila Beach  
Avila Beach, CA 93424

Dear Mr. Kelly:

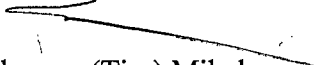
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, EPA-R-95/136*. Results were as follows:

CLIENT:	PG&E- Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001 Chronic
DATE RECEIVED:	19 Aug - 09
ABC LAB. NO.:	PGE0809.198

#### **CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY**

NOEC =	100.00 %
TU <sub>c</sub> =	1.00
IC <sub>25</sub> =	>100.00 %
IC <sub>50</sub> =	>100.00 %

Yours very truly,



Thomas (Tim) Mikel  
Laboratory Director

**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/19/2009	Test ID: PGE0809198	Sample ID: CA0000000
End Date: 8/21/2009	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/18/2009	Protocol: EPA600/R95/136 1995	Test Species: HR-Haliotis rufescens
Comments: Discharge 001		

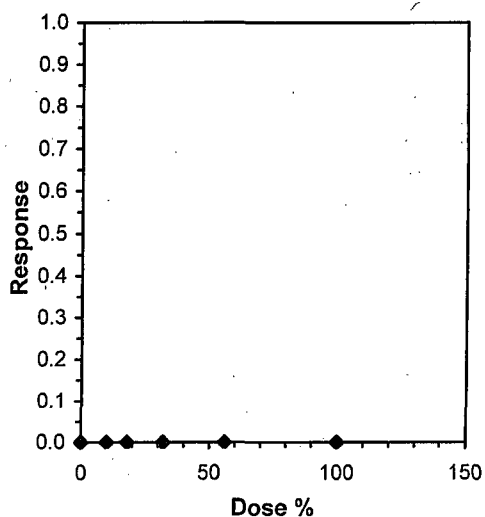
Conc-%	1	2	3	4	5
N Control	1.0000	1.0000	1.0000	1.0000	1.0000
10	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000
56	1.0000	1.0000	1.0000	1.0000	1.0000
100	1.0000	1.0000	1.0000	1.0000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Rank Sum	1-Tailed Critical	Isotonic	
			Mean	Min	Max	CV%	N			Mean	N-Mean
N Control	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5			1.0000	1.0000
10	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
18	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
32	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
56	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000
100	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	16.00	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	1	0.9		
Equality of variance cannot be confirmed				
<b>Hypothesis Test (1-tail, 0.05)</b>	<b>NOEC</b>	<b>LOEC</b>	<b>ChV</b>	<b>TU</b>
Steel's Many-One Rank Test	100	>100		1
Treatments vs N Control				

**Linear Interpolation (200 Resamples)**

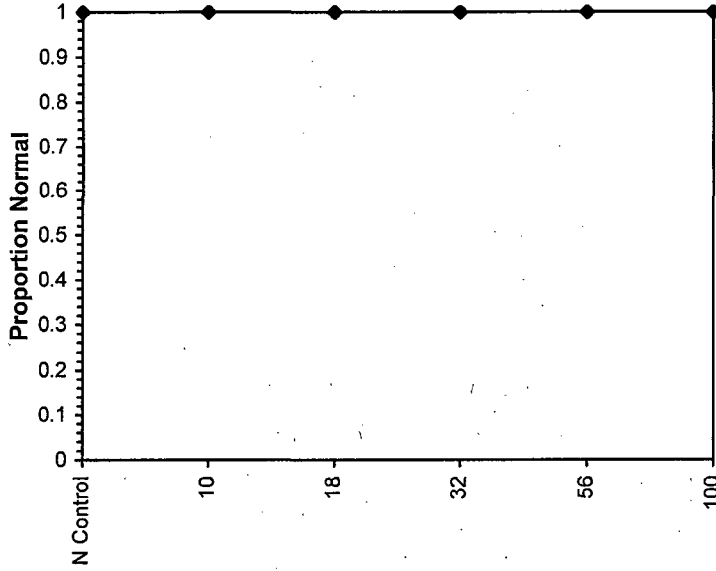
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/19/2009	Test ID: PGE0809198	Sample ID: CA0000000
End Date: 8/21/2009	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/18/2009	Protocol: EPA600/R95/136 1995	Test Species: HR-Haliotis rufescens
Comments: Discharge 001		

**Dose-Response Plot**





**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/19/2009	Test ID: PGE0809198	Sample ID: CA0000000
End Date: 8/21/2009	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 8/18/2009	Protocol: EPA600/R95/136 1995	Test Species: HR-Haliotis rufescens
Comments: Discharge 001		

**Auxiliary Data Summary**

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.40	15.40	15.40	0.00	0.00	2
10		15.40	15.40	15.40	0.00	0.00	2
18		15.40	15.40	15.40	0.00	0.00	2
32		15.40	15.40	15.40	0.00	0.00	2
56		15.40	15.40	15.40	0.00	0.00	2
100		15.40	15.40	15.40	0.00	0.00	2
N Control	pH	7.95	7.90	8.00	0.07	3.34	2
10		8.00	8.00	8.00	0.00	0.00	2
18		8.00	8.00	8.00	0.00	0.00	2
32		8.00	8.00	8.00	0.00	0.00	2
56		7.95	7.90	8.00	0.07	3.34	2
100		7.95	7.90	8.00	0.07	3.34	2
N Control	DO mg/L	6.30	5.90	6.70	0.57	11.94	2
10		6.25	5.80	6.70	0.64	12.76	2
18		6.30	5.70	6.90	0.85	14.62	2
32		6.35	5.70	7.00	0.92	15.10	2
56		6.35	5.70	7.00	0.92	15.10	2
100		6.55	5.90	7.20	0.92	14.64	2
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
10		34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

### CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 19 August - 09

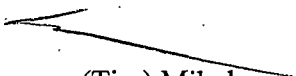
STANDARD TOXICANT: Zinc

NOEC = 32.00 ug/l

IC25 = 40.17 ug/l

IC50 = 48.35 ug/l

Yours very truly,

  
Thomas (Tim) Mikel  
Laboratory Director

**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/19/2009	Test ID: ABS081909	Sample ID: REF-Ref Toxicant
End Date: 8/21/2009	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 8/19/2009	Protocol: EPA600/R95/136 1995	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

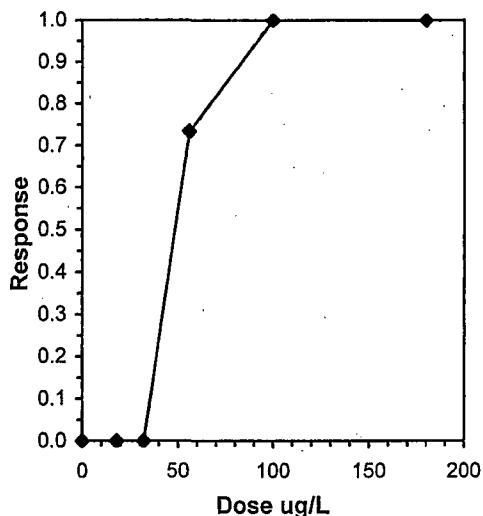
Conc-ug/L	1	2	3	4	5
Control	1.0000	1.0000	1.0000	1.0000	1.0000
18	1.0000	1.0000	1.0000	1.0000	1.0000
32	1.0000	1.0000	1.0000	1.0000	1.0000
56	0.2400	0.1600	0.0000	0.1200	0.8100
100	0.0000	0.0000	0.0000	0.0000	0.0000
180	0.0000	0.0000	0.0000	0.0000	0.0000

Conc-ug/L	Transform: Arcsin Square Root							Rank Sum	1-Tailed Critical	Isotonic	
	Mean	N-Mean	Mean	Min	Max	CV%	N			Mean	N-Mean
Control	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5			1.0000	1.0000
18	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	17.00	1.0000	1.0000
32	1.0000	1.0000	1.5208	1.5208	1.5208	0.000	5	27.50	17.00	1.0000	1.0000
*56	0.2660	0.2660	0.4894	0.0500	1.1198	80.146	5	15.00	17.00	0.2660	0.2660
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000
180	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5			0.0000	0.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Shapiro-Wilk's Test indicates non-normal distribution (p <= 0.01)	0.54138	0.868	1.63223	9.92589
Equality of variance cannot be confirmed				

Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU
Steel's Many-One Rank Test	32	56	42.332	
Treatments vs Control				

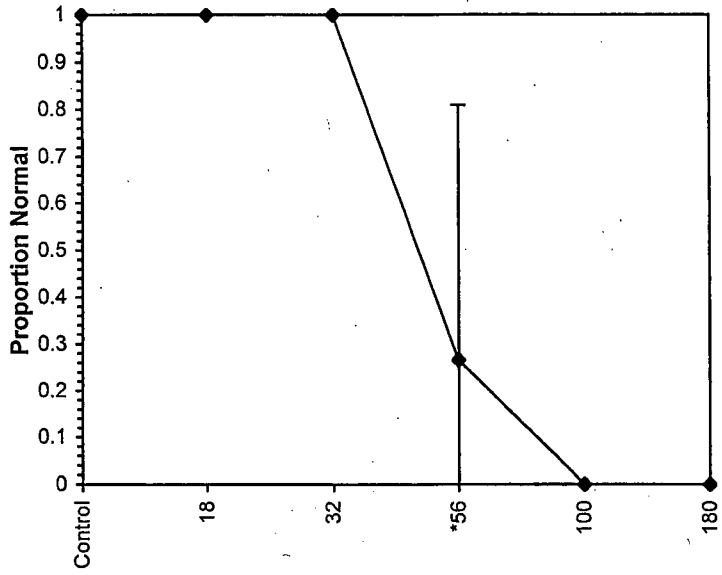
Point	Linear Interpolation (200 Resamples)				
	ug/L	SD	95% CL(Exp)		Skew
IC05	33.635	0.320	33.139	35.114	1.4132
IC10	35.270	0.640	34.278	38.229	1.4132
IC15	36.905	0.960	35.417	41.343	1.4132
IC20	38.540	1.280	36.556	44.458	1.4132
IC25	40.174	1.601	37.695	47.572	1.4132
IC40	45.079	2.561	41.113	56.916	1.4132
IC50	48.349	3.388	43.391	64.962	1.6628



Abalone Larval Development Test-Proportion Normal

Start Date: 8/19/2009      Test ID: ABS081909      Sample ID: REF-Ref Toxicant  
End Date: 8/21/2009      Lab ID: ABC LABS      Sample Type: ZNSO-Zinc sulfate  
Sample Date: 8/19/2009      Protocol: EPA600/R95/136 1995      Test Species: HR-Haliotis rufescens  
Comments: Standard Toxicant

Dose-Response Plot



**Abalone Larval Development Test-Proportion Normal**

Start Date: 8/19/2009	Test ID: ABS081909	Sample ID: REF-Ref Toxicant
End Date: 8/21/2009	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 8/19/2009	Protocol: EPA600/R95/136 1995	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

**Auxiliary Data Summary**

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
Control	Temp C	15.40	15.40	15.40	0.00	0.00	2
18		15.40	15.40	15.40	0.00	0.00	2
32		15.40	15.40	15.40	0.00	0.00	2
56		15.40	15.40	15.40	0.00	0.00	2
100		15.40	15.40	15.40	0.00	0.00	2
180		15.40	15.40	15.40	0.00	0.00	2
Control	pH	7.95	7.90	8.00	0.07	3.34	2
18		7.95	7.90	8.00	0.07	3.34	2
32		7.95	7.90	8.00	0.07	3.34	2
56		7.95	7.90	8.00	0.07	3.34	2
100		7.95	7.90	8.00	0.07	3.34	2
180		7.95	7.90	8.00	0.07	3.34	2
Control	DO mg/L	6.30	5.90	6.70	0.57	11.94	2
18		6.35	6.00	6.70	0.49	11.08	2
32		6.35	6.00	6.70	0.49	11.08	2
56		6.35	6.00	6.70	0.49	11.08	2
100		6.35	6.00	6.70	0.49	11.08	2
180		6.35	6.00	6.70	0.49	11.08	2
Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2
180		34.00	34.00	34.00	0.00	0.00	2